

SCREW PRESS FOR PRESSING FIBROUS MATERIAL

ABSTRACT

A screw press (1) for pressing fibrous material, in particular sugar beet pulp, comprising: at least one pair of helical elements (30) which are
5 disposed mutually parallel and side by side and comprise at least one helix (32, 33) disposed about a rotary shaft which extends along a predetermined axial direction; a perforated walled filtering cage (5) supported by equidistant hoops (13, 14) and enclosing said helical
10 elements (30) as an exact fit; a loading hopper (8); a discharge opening (9) for the exit of the pressed material; a collection sump (10) positioned externally to said filtering cage (4); in which said filtering cage (5) presents a modular structure having a distance between the axes of each module (M) which is constant and is a sub-multiple of, or equal to, the dimension
15 of the loading hopper (8) measured along said predetermined axial direction, said loading hopper (8) being shiftable by its replacing one or more modules (M) of the filtering cage (5).